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1 Optical interconnection using ShuffleNet multihop networks in multi-connected ring topologies
M. J. Karol
August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures and protocols**, Volume 18 Issue 4

Full text available: 📄 pdf(906.34 KB)   Additional Information: full citation, abstract, references, citings, index terms

In many applications, such as metropolitan area, campus, and local area networks, multicomputer interconnection networks, and the interconnection of cabinets, shelves, and boards, optical interconnection is increasingly favored over electrical. Recently, ShuffleNet multihop lightwave networks were proposed as a way to tap the vast bandwidth potential of optical fiber for multiuser packet communications. We consider the use of ShuffleNet multihop networks for optical interconnection, and stu ...

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